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AMENDMENTS TO THE CLAIMS.

This listing of the claims replaces all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Please amend claims 1, 6 and 52.

Please cancel claims 66-79.

- 1. (Currently amended) A method of providing direct access to a voice mail system (VMS) hosting a voice mail box associated with a service subscriber, the method comprising steps of:
 - formulating a call set-up message for initiating the establishment of a call connection directly to the VMS without first attempting to complete a call to the service subscriber in response to a request for direct access to the voice mail box by a requesting party, the call set-up message having a format reserved for a redirected call set-up message issued by a service switching point (SSP) in response to an uncompleted call to the service subscriber; and
 - issuing the call setup message into a common channel signaling (CCS) network to initiate the establishment of the call connection directly between the requesting party and to the voice mail box of the service subscriber.
- 2. (Original) A method as claimed in claim 1 wherein the CCS network uses signaling system 7 (SS7) protocol, and the step of formulating a call set-up message further comprises steps of:
 - instantiating an integrated users digital network-user part (ISUP) initial address message (IAM);
 - inserting a directory number (DN) of the VMS into a called party number parameter in the IAM; and

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- inscrting a redirecting number parameter, an original called number parameter, and a redirection information parameter into the IAM, in conformance with a SS7 standard.
- 3. (Original) A method as claimed in claim 2 wherein the step of inserting comprises a step of inserting the service subscriber's DN into the original called number and the redirecting number parameters, in conformance with the SS7 standard.
- 4. (Original) A method as claimed in claim 2 wherein the step of inserting further comprises a step of inserting a redirecting reason code into a redirection information parameter, the reason code being used by the VMS to select a voice mail prompt to play to the calling party.
- 5. (Original) A method as claimed in claim 2 wherein the step of inserting further comprises a step of inserting a redirecting reason code into the redirection information parameter, the reason code being a default value indicating that the reason for redirection is unknown or not available.
- 6. (Currently amended) A method of providing direct access to a voice mail box of a service subscriber to a voice mail system (VMS), the method comprising steps of:
 - receiving at a call control application, a message sent in response to a request for direct access to the voice mail box by a requesting party;
 - formulating a call setup message for initiating establishment of a call connection between the requesting party and the VMS without first attempting to complete a call to the service subscriber, the call setup message having a format reserved for a redirected call setup message issued by a service switching point (SSP) in response to an uncompleted call to the service subscriber; and
 - sending the call set-up message into the CCS network to initiate the establishment of the <u>direct</u> call connection.

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A method as claimed in claim 6 wherein the CCS network uses 7. (Original) signaling system 7 (SS7) protocols, and the step of formulating a call setup message further comprises steps of:

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- instantiating a default integrated users digital network-user part (ISUP) initial address message (IAM);
- inserting a directory number (DN) of the VMS's into a called party number parameter of the IAM; and
- inserting a redirecting number parameter and an original called number parameter in the IAM, in conformance with a SS7 standard.
- 8. (Original) A method as claimed in claim 7 wherein the step of inserting comprises a step of inserting a DN of the service subscriber into the original called number and redirecting number parameters, in conformance with the SS7 standard.
- 9. A method as claimed in claim 8 further comprising a step of inserting a (Original) redirecting reason code into a redirection information parameter, the redirecting reason code identifying the IAM as a request to leave a voice message with a direct to voice mail call.
- 10. (Original) A method as claimed in claim 8 further comprising a step of inserting a default value redirecting reason code into the redirection information parameter.
- 11. (Original) A method as claimed in claim 8 wherein the step of receiving the message comprises steps of:

receiving a connection request message; and

- inspecting the connection request message to remove three identifiers; a requesting party identifier, a service subscriber identifier, and a VMS identifier.
- 12. (Original) A method as claimed in claim 11 wherein the step of receiving a connection request message comprises a step of receiving over an Internet protocol (IP) connection, from a server on the Internet adapted to receive click-to-voice mail notifications

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from at least one worldwide web page, a connection request message that conforms to a predefined format and includes directory numbers for the requesting party, service subscriber and VMS.

- 13. (Original) A method as claimed in claim 12 further comprising steps of: initiating an establishment of a call connection between the requesting party's DN and a virtual instance of a call control node (CCN) prior to the step of sending; and
 - effecting an extension of the call connection from the virtual instance of the CCN to the VMS with the step of sending.
- 14. (Previously presented) A method as claimed in claim 11 wherein the step of receiving comprises receiving a reconnect request message from call termination equipment, the reconnect connect message including a DN of the call termination equipment, a DN of the requesting party, a DN of the service subscriber and a DN of the VMS.
- 15. (Original) A method as claimed in claim 14 further comprising steps of: effecting a forward release of a part of the established call connection between a virtual instance of the CCN and the call termination equipment; and initiating an establishment of an extension the established call connection from the virtual instance of the CCN to the VMS with the step of sending.
- 16. 51. (Previously cancelled)
- 52. (Currently amended) A method of providing direct access to a voice mail box of a service subscriber without first attempting to complete a call to the service subscriber comprising:
- receiving a request for a direct <u>call</u> connection to the voice mail box of the service subscriber from a requesting party; and

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formulating a call sctup message for initiating establishment of a-the direct call connection between the requesting party and the voice mail box in response to the request for a-the direct connection to the voice mail box, the call setup message having a format reserved for a redirected call setup message issued by a service switching point (SSP) in response to an uncompleted call to the service subscriber; and

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sending the call set-up message to initiate the establishment of the direct call connection.

- 53. (Previously presented) The method as claimed in claim 52 further comprising formulating a message that is sent to a call control application to request the call connection to the voice mail box in response to the request for a direct connection to the voice mail box; and wherein the formulating a call setup message is in response to the call control application receiving the message.
- 54. (Previously presented) The method as claimed in claim 52, wherein receiving the request for a direct connection to the voice mail box comprises receiving an indication that the requesting party selected a click to voice mail option.
- 55. (Previously cancelled)
- 56. (Previously presented) The method as claimed in claim 52 further comprising sending the call setup message into a common channel signaling network to initiate the establishment of the call connection between a calling number supplied by the requesting party and the voice mail box of the service subscriber.
- 57. (Previously presented) The method as claimed in claim 53, wherein formulating a message that is sent to the call control application comprises:

formulating a data message sent to the call control application, the data message including a calling party number for the requesting party, a called party number corresponding to a directory number (DN) of the service subscriber, and a

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- directory number (DN) used for direct access to the voice mail box of the service subscriber.
- 58. (Previously presented) The method as claimed in claim 56 wherein formulating the call setup message comprises:

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- formulating a first call setup message for establishing a call connection with the calling party number for the requesting party; and
- formulating a second call setup message for establishing a call connection with the DN of the voice mail box.
- 59. (Previously presented) The method as claimed in claim 57 further comprising: sending the first call setup message into a common channel signaling network to connect the calling number for the requesting party to a first end of an enhanced ISUP trunk associated with the call control node; and sending the second call setup message into a common channel signaling network to connect the voice mail box to a second end of the enhanced ISUP trunk.
- 60. (Previously presented) The method as claimed in claim 58 wherein formulating the second call setup message comprises:
 - instantiating an integrated users digital network-user part (ISUP) initial address message (IAM) at the call control application;
 - inserting the DN of the voice mail box into a called party number parameter in the IAM; and
 - inserting a redirecting number parameter, an original called number parameter, and a redirection information parameter into the IAM.
- 61. (Previously presented) The method as claimed in claim 60 wherein inserting the redirecting number parameter comprises inserting the calling number for the requesting party in the redirecting number parameter.

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- 62. (Previously presented) The method as claimed in claim 60 wherein inserting the original called number parameter comprises inserting the DN associated with the service subscriber into the redirecting number parameter.
- 63. 65. (Previously cancelled)
- 66. 79. (Cancelled)